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Rubber composition, for tire tread, comprises rubber elastomer, triblock

elastomer having specified weight average molecular weight and general structure, and reinforcing agents

Patent Assignee: YOKOHAMA RUBBER CO LTD (YOKO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001247722	A	20010911	JP 200061853	A	20000302	200171 B

Priority Applications (No Type Date): JP 200061853 A 20000302

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2001247722	A		5 C08L-021/00	

Abstract (Basic): JP 2001247722 A

NOVELTY - Rubber composition contains 50-95 parts by weight (pbw)

of (a) rubber elastomer, 5-50 pbw of (b) triblock elastomer having weight average molecular weight of larger than 50,000 and general structure of A-B-A (A=terminal polystyrene hard segment, B=internal iso

butene-type elastomer soft segment) and (c) reinforcing agents.

USE - The rubber composition is used for tire treads.

ADVANTAGE - The rubber composition has high hysteresis loss and abrasion resistance.

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Technology Focus:

TECHNOLOGY FOCUS - POLYMERS - Preferred material: the triblock elastomer (b) contains 50-90 wt.% of the segment B. Rubber elastomer

(a) contains butyl rubber. Preferred preparation: The rubber composition is obtained by previously mixing (b) and 30-70 wt. % of (c)

in an internal mixer and compounding the residual component with the mixture

Title Terms: RUBBER; COMPOSITION; TREAD; COMPRISE; RUBBER; ELASTOMER; ELASTOMER; SPECIFIED; WEIGHT; AVERAGE; MOLECULAR; WEIGHT; GENERAL; STRUCTURE; REINFORCED; AGENT

Derwent Class: A12; A95; Q11

International Patent Class (Main): C08L-021/00

International Patent Class (Additional): B60C-001/00; C08J-003/20;

C08K-003/04; C08K-003/36; C08L-023/22; C08L-053/02; C08L-101/12

File Segment: CPI; EngPI

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Polymer Indexing (PS):

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001 018; R00708 G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53 D58
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D88; R00806 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58 D84;
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P0373

002 018; R00708 G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53 D58
D76

D88; R00429 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58 D85;
H0033

H0011; H0066 H0044 H0011; H0124-R; P0328 ; P1741

003 018; ND01; Q9999 Q9256-R Q9212; B9999 B4002 B3963 B3930 B3838
B3747

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